

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A television system comprising a tuner for tuning video signals, a controller for controlling said tuner, and a stage for receiving tuned signals from said tuner and for supplying at least one control signal to said controller, wherein said stage comprises a phase-locked-loop ~~coupled to receive said tuned signals, said phase locked loop for generating a lock signal when locked to said tuned signals, said lock signal forming said at least one control signal for said controller.~~
2. (Previously Presented) The television system as claimed in claim 1, wherein said television system comprises a synchronization generator for synchronizing video signals originating from said stage and for supplying at least one synchronization signal to said controller, said controller comprising a switch for, in dependence of said lock signal, taking or not taking into account said synchronization signal.
3. (Previously Presented) The television system as claimed in claim 2, wherein said controller, in a fast tuning mode, controls said tuner such that one or more frequencies nearby one or more active channels are detected, with said controller, in a fine tuning mode, controlling said tuner such that one or more channel frequencies are identified.

4. (Previously Presented) The television system as claimed in claim 3, wherein said controller receives a further control signal, and wherein said stage comprises an intermediate frequency stage having means for generating a fine tuning signal, said fine tuning signal comprising said further control signal.

5. (Previously Presented) The television system as claimed in claim 4, wherein a number of channels are predefined channels in accordance with a frequency table.

6. (Previously Presented) The television system as claimed in claim 5, wherein said lock signal is a phase-locked-loop lock bit derived from an alternating current content of an oscillator input signal in said phase-locked-loop.

7. (Currently Amended) A controller for use in television system comprising a tuner for tuning video signals and said controller for controlling said tuner and a stage for receiving tuned signals from said tuner and for supplying at least one control signal to said controller, wherein said stage comprises a phase-locked-loop ~~coupled to receive said tuned signals, said phase locked loop for generating a lock signal when locked to said tuned signals, said lock signal forming said at least one control signal for said controller.~~

8. (Previously Presented) The controller as claimed in claim 7, wherein said television system comprises a synchronization generator for synchronizing video signals originating from said stage and for supplying at least one synchronization signal to said controller, said controller comprising a switch for, in dependence of said lock signal, taking or not taking into account said synchronization signal.

9. (Currently Amended) A method for use in television system comprising a tuner for tuning video signals and a stage for receiving tuned signals from said tuner, said method comprising the steps of:

tuning said tuner to one of a plurality of frequencies at which video signal should be located;

determining whether a channel is active at the tuned frequency using a phase-locked-loop in said stage, said phase-locked loop being coupled to an output of the tuner and generating a lock signal in response thereto; and

controlling the tuner with a control signal comprising said lock signal.

10. (Previously Presented) A computer-readable medium for use in television system comprising a tuner for tuning video signals, a stage for receiving tuned signals from said tuner and a controller, which said computer-readable medium having programming instructions

stored thereon for causing the controller to execute the method as claimed in claim 9.